(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



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(43) International Publication Date 1 September 2005 (01.09.2005)

PCT

(10) International Publication Number WO 2005/079168 A2

(51) International Patent Classification: Not classified

(21) International Application Number:

PCT/KR2005/000104

- (22) International Filing Date: 12 January 2005 (12.01.2005)
- (25) Filing Language:

Korean

(26) Publication Language:

English

(30) Priority Data: 10-2004-0012026

23 February 2004 (23.02.2004) KR

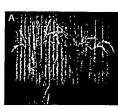
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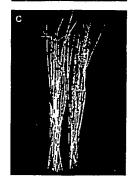
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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

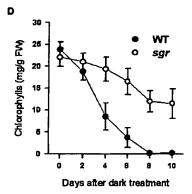
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(54) Title: A NOVEL STAY-GREEN GENE AND METHOD FOR PREPARING STAY-GREEN TRANSGENIC PLANTS









(57) Abstract: The present invention relates to a novel SGR (STAY-GREEN) gene participating in chlorophyll catabolism during plant senescence, thereby causing leaf yellowing, a method for preparing stay-green transgenic plants maintaining greenness during leaf senescence, which being characterized by mutating the SGR gene, suppressing the expression of the SGR gene, or deactivating the SGR protein which is encoded by the SGR gene, and stay-green mutant plants produced by said method. According to the present invention, leaf greenness can be maintained for a long time by mutating the SGR gene, suppressing the expression of the SGR gene, or inactivating the protein encoded by the SGR gene, thereby preventing leaf yellowing of plants in yellowing plant caused by chlorophyll catabolism during leaf senescence.

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FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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